

**Oroville Relicensing Efforts  
Environmental Work Group - Second Set of Resource Actions for Review  
Narrative Report Management Table**

EWG_ID	Resource Action (PM&E) Description	Immediate Actions to be Taken	Objectives	PM&E Sponsor [From May EWG Meeting]	Resource Action Team Leader	Resource Action Advisory Team (with PDEA Team)	Comments
EWG-10A	Provide resident fish with access to the upstream tributaries by removing sediment plugs which block access to the upstream tributaries of Lake Oroville to increase the quantity and quality of available salmonid spawning habitat. (Upstream Tributaries)	TBD	TBD	Ben Swan	Tom Payne		
EWG-22	Increase connectivity between river channel and floodplain habitats (including low-elevation terraces) in lower Feather River by setting back levees to create seasonal habitats for Chinook salmon, splittail, and steelhead. (High Flow Channel)	TBD	TBD	Mike Meinz	Dave Olson		
EWG-23	Provide higher and longer duration flows in winter/spring. Provide flow in the high flow channel to inundate floodplains to provide high quality rearing habitat. This Resource Action would provide higher flows, which would increase quantity of fish (splittail and Chinook) rearing habitat. (High Flow Channel)	TBD	TBD	Mike Meinz	Dave Olson		
EWG-61	Develop a hydrologic flow regime (management protocols) to support natural regeneration of riparian recruitment along the Feather River. (Oroville Wildlife Area)	TBD	TBD	Steve Rothert	Gail Kuenster/ Dave Olson		
<b>Resource Actions Pertaining to Modifications of Water Temperatures</b>							
EWG-36	Operate the Oroville Facilities in a manner which would provide additional cold water in the low flow channel of the Feather River for benefit of Chinook salmon and steelhead. (Low Flow Channel)	TBD	TBD	Mike Meinz	David Olson & Modeling Group (Carl Chen & Eric Branstetter)		
EWG-37	Operate the Oroville Facilities in a manner which would provide additional cold water in the low flow channel of the Feather River for benefit of Chinook salmon and steelhead. (High Flow Channel)	TBD	TBD	Mike Meinz	David Olson & Modeling Group (Carl Chen & Eric Branstetter)		
EWG-87	Operate or modify the Oroville Complex in a manner to provide suitable warm water for agricultural purposes, while providing adequate cold water releases at the Thermalito Afterbay Outlet. (Thermalito Complex)	TBD	TBD	Sharon Stohrer	David Olson & Modeling Group (Carl Chen & Eric Branstetter)		
<b>Resource Actions Pertaining to Methods for Providing Spacial Separation of Spring-Run &amp; Fall-Run Salmon</b>							
EWG-1	Open Fish Barrier Pool to fish passage and allow the pool to be used as a spring Chinook salmon holding. Requires the addition of a fish ladder to the Fish Barrier Dam and modifying the existing ladder with a branch to the Fish Barrier Pool. (Low Flow Channel)	TBD	TBD	Anna	Brad Cavallo		
EWG-2A	Install a weir at lower end of low flow section (from July 1st to November 15th) to selectively pass desired fish species into the low flow channel. Currently, fishes in the Feather River are allowed free access into the upper portions of the low flow channel. This Resource Action would address concerns about high salmonid spawning densities in the low flow channel and provide an opportunity to segregate the spring and fall runs of Chinook salmon in the Feather River. (Low Flow Channel)	TBD	TBD	Anna	Brad Cavallo		

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EWG-2B	Install a size exclusion device such as a lattice grating near Bedrock Park from July 1st to November 15th in order to provide spatial separation of holding and spawning habitat for spring-run and fall-run Chinook salmon. The latticed grate would be designed to block movement of adult salmonids but not juveniles. (Low Flow Channel)	TBD	TBD		TBD		
EWG-34	Exclusionary devices (e.g., weirs) placed at the lower part of the low flow section would have a potential benefit of reducing predation on salmonids in the low flow section of the Feather River. (Low Flow Channel)	TBD	TBD		TBD		
EWG-41	Use a weir to monitor and restrict access of returning adult Chinook salmon to the low flow section of the Feather River. This Resource Action potentially would reduce genetic introgression between Chinook races and between hatchery/wild salmonids. This Resource Action also would potentially reduce crowding and competition for limited spawning habitat. (Low Flow Channel)	TBD	TBD		TBD		
<b>Resource Actions for Fish Spawning Habitat Enhancement Though Gravel Addition/Modifications</b>							
EWG-18	In areas where armoring has occurred, selected sections of the low-flow reach of the Feather River would be ripped with the goal of improving spawning gravel quality. (Low Flow Channel)	TBD	TBD		TBD		
EWG-90	Rip sections of the low-flow reach to improve spawning gravel composition for Chinook salmon and steelhead. This Resource Action is not specific to location at this time; results from ongoing geomorphology studies (SP-G2) will be used to better define ripping and target locations in the low-flow reach. (Low Flow Channel)	TBD	TBD		TBD		
EWG-91	Supplement the low-flow reach with suitable spawning gravel to increase productivity (i.e., # fish produced per unit area). (Low Flow Channel)	TBD	TBD		TBD		
EWG-92	Gravel replacement on the lower reach spawning riffles if these areas are found to be of poor spawning quality (ongoing, SP-G2). (Low Flow Channel)	TBD	TBD		TBD		